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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

JANUARY 1949

**INSTRUCTIONS:** Not more than five publications will be sent free. Technical publications and those marked "Restricted" are furnished only to applicants whose activities justify such action. Foreign correspondents as well as persons not qualified for technical material should address requests, together with their remittances, to: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should also add one-third of the cost of publication to defray postage charges.

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### FARMERS' BULLETIN

**Legume inoculation: What it is; what it does.** Lewis W. Erdman. Bureau of Plant Industry, Soils, and Agricultural Engineering. 20 p., illus. Supersedes F 1784. (F 2003.) Price 10¢.

### LEAFLETS

**Soil moisture and wheat yields on the High Plains.** H. H. Finnell. Soil Conservation Service. 8 p., illus. (L 247.) Price 5¢.

**Child's self-help overall.** Clarice L. Scott. Bureau of Human Nutrition and Home Economics. [4] p., illus. (L 251.) Price 5¢.

### MISCELLANEOUS PUBLICATIONS

**The National Poultry Improvement Plan.** Bureau of Animal Industry. 33 p. (M 300, rev.) Price 15¢.

**The National Turkey Improvement Plan.** Bureau of Animal Industry. 32 p. (M 555, rev.) Price 10¢.

**Slidefilms of the United States Department of Agriculture.** Extension Service. 22 p. (M 655.)

**Conservation practices for tobacco lands of the flue-cured and Maryland belts.** T. L. Copley, Clarence S. Britt, and W. B. Posey. Soil Conservation Service in cooperation with the University of Maryland. 44 p., illus. (M 656.) Price 15¢. For sale only.<sup>1</sup>

**Farmhouse plans for Northeastern States.** Bureau of Human Nutrition and Home Economics and the Bureau of Plant Industry, Soils, and Agricultural Engineering. [20] p., illus. (M 658.) Price 15¢.

**Helping families plan food budgets.** Bureau of Human Nutrition and Home Economics. 16 p. (M 662.) Price 15¢.

**Factors affecting the nutritive value of foods.** Studies at the U. S. Plant, Soil, and Nutrition Laboratory. Agricultural Research Administration. 28 p., illus. (M 664.) Price 10¢. For sale only.<sup>1</sup>

**Lumber production in the United States, 1799-1946.** Henry B. Steer. Forest Service. 233 p. (M 669.) Price \$2.00. For sale only.<sup>1</sup>

**The balance sheet of agriculture, 1948.** Bureau of Agricultural Economics. 38 p., illus. (M 672.) Price 10¢. For sale only.<sup>1</sup>

\* Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



## SERVICE AND REGULATORY MATERIAL

- Amendment to regulation 1 of foreign pink bollworm of cotton quarantine No. 8.** Bureau of Entomology and Plant Quarantine. 1 p. (BEPQ-Q 8.)
- Hawaiian fruit and vegetable quarantine.** Bureau of Entomology and Plant Quarantine. 7 p. (BEPQ-Q 13.)
- Service and regulatory announcements.** Bureau of Animal Industry. December 1948. Pp. 109-117. (SRA-BAI 500.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

## TECHNICAL BULLETINS

- Fiber and spinning properties of cotton: A correlation study of the effect of variety and environment.** Henry D. Barker and Otis A. Pope. Bureau of Plant Industry, Soils, and Agricultural Engineering. 47 p., illus. (T 970.) Price 15¢.

## OTHER PUBLICATIONS

- Commodity futures statistics, July 1947-June 1948.** Commodity Exchange Authority. 50 p. (CS 34.)
- Manage farm ponds for bass and bluegills.** Soil Conservation Service. [2] p., illus. (PA 65.)
- Report of the Administrator of the Commodity Exchange Authority, 1948.** J. M. Mehl. 23 p. Price 10¢. For sale only.<sup>1</sup>
- Report of the Administrator of the Research and Marketing Act, 1948.** E. A. Meyer. 54 p. Price 15¢. For sale only.<sup>1</sup>
- Report of the Administrator of the Rural Electrification Administration, 1948.** Claude R. Wickard. 26 p. Price 10¢. For sale only.<sup>1</sup>
- Report of the Chief of the Bureau of Animal Industry, Agricultural Research Administration, 1948.** B. T. Simms. 104 p. Price 20¢. For sale only.<sup>1</sup>
- Report of the Chief of the Bureau of Entomology and Plant Quarantine, Agricultural Research Administration, 1948.** P. N. Annand. 55 p. Price 15¢. For sale only.<sup>1</sup>
- Report of the Chief of the Bureau of Human Nutrition and Home Economics, Agricultural Research Administration, 1948.** Hazel K. Stiebeling. 16 p. Price 5¢. For sale only.<sup>1</sup>
- Report of the Chief of the Bureau of Plant Industry, Soils, and Agricultural Engineering, Agricultural Research Administration, 1948.** Robert M. Salter. 89 p. Price 20¢. For sale only.<sup>1</sup>
- Report of the Chief of the Forest Service, 1948.** Lyle F. Watts. 54 p. Price 15¢. For sale only.<sup>1</sup>
- Report of the Chief of the Office of Plant and Operations, 1948.** Arthur B. Thatcher. 12 p. Price 5¢. For sale only.<sup>1</sup>
- Report of the Chief of the Soil Conservation Service, 1948.** H. H. Bennett. 81 p. Price 20¢. For sale only.<sup>1</sup>
- Report of Cooperative Extension Work in Agriculture and Home Economics, 1948.** M. L. Wilson. 50 p. Price 15¢. For sale only.<sup>1</sup>
- Report of the Director of Finance, 1948.** W. A. Jump. 49 p. Price 15¢. For sale only.<sup>1</sup>
- Report of the Director of Personnel, 1948.** T. Roy Reid. 36 p. Price 10¢. For sale only.<sup>1</sup>
- Report of the Manager of the Federal Crop Insurance Corporation, 1948.** G. F. Geissler. 40 p. Price 15¢. For sale only.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Report of the President of the Commodity Credit Corporation, 1948.** Ralph S. Trigg. 14 p. Price 5¢. For sale only.<sup>1</sup>

**School lunch recipes using fish.** Bureau of Human Nutrition and Home Economics and Production and Marketing Administration in cooperation with Fish and Wildlife Service, U. S. Department of the Interior. 8 p. (PA 66.)

**You and forest fires.** Forest Service. [12] p., illus. (PA 64.)

#### PERIODICALS

**Agricultural economics research.** January 1949. Vol. I, No. 1. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**The agricultural situation.** Vol. 33, No. 1. January 1949. Bureau of Agricultural Economics. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 7, No. 11. November 1948. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 12, No. 12, December 1948; Vol. 13, No. 1, January 1949. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Extension service review.** Vol. 20, No. 1. January 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Fire control notes.** Vol. 10, No. 1. January 1949. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XIII, No. 1. January 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**Journal of agricultural reasearch.** Price \$2.25 a year, domestic; \$3.00 a year, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separate, 5¢ domestic; 8¢ foreign.<sup>1</sup> The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

— Vol. 78, Nos. 1 and 2. January 1 and 15, 1949. Illus. Contents:

Factors affecting pathogenicity of pink root fungus of onions (G 1398.) A. M. Gorenz, R. H. Larson, and J. C. Walker.

Bacteriological changes during the fermentation of steamed potatoes for silage. (E. 104.) John L. Etchells and Ivan D. Jones.

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☐ M 658

☐ M 662

Others \_\_\_\_\_

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**News for farmer cooperatives.** Vol. 15, No. 10. January 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XIV, No. 6, January 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

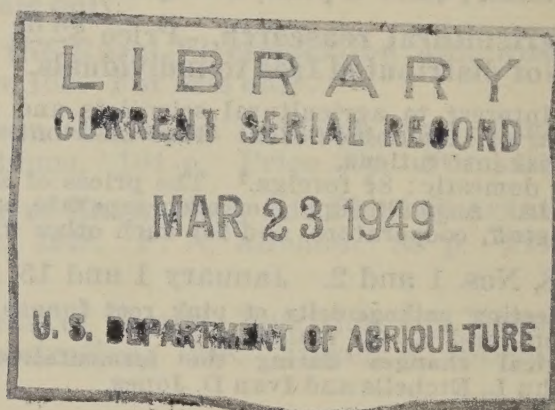
### MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

**FARMERS OF JAPAN.** 2 reels, 16 mm., sound. Running time 20 minutes. Released 1948.

No easy life is that of the Japanese farmer. He farms pretty much in the manner his father did and his father before him, using the same primitive tools and getting from the land not much more than a bare subsistence. The film documents the activities of one such farmer—his work and way of life. Of general interest; can be enjoyed by all audiences. (Not in Film Libraries; for sale only.)

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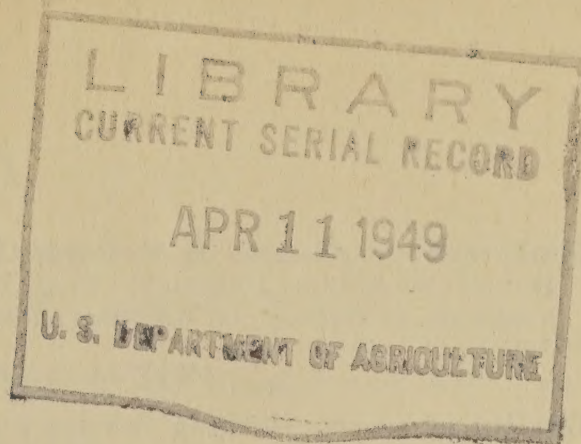
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### FARMERS' BULLETIN

**Selling black walnut timber.** Warren D. Brush. Forest Service. 19 p., illus. (F 1459, rev.) Price 10¢.

Black walnut timber can yield the farmer a good profit if properly marketed. This revised bulletin gives practical suggestions on selling, timber appraising, log scaling, and marketing.

**Production of drug and condiment plants.** A. F. Sievers. Bureau of Plant Industry, Soils, and Agricultural Engineering. 99 p., illus. Supersedes F 663. (F 1999.) Price 30¢.

The culture, harvesting, curing, processing, and marketing of drug and condiment plants chiefly as farm crops for the commercial market are given.

**Producing cigar tobacco in Pennsylvania.** Orman E. Street. Bureau of Plant Industry, Soils, and Agricultural Engineering. 32 p., illus. Supersedes F 416 and F 1580. (F 2001.) Price 10¢.

Plantbed management, cultural practices, fertilizing, cropping systems, seed selection, curing, packing, and disease control of the filler and binder types of cigar tobacco in Pennsylvania are given.

### LEAFLETS

**Hamster raising.** O. N. Eaton. Bureau of Animal Industry. 6 p. (L 250.) Price 5¢.

This bulletin describes feeding, housing, and breeding of hamsters that are raised for laboratory animals.

### CIRCULARS

**Moldy rot of tapping panels of hevea rubber trees.** W. J. Martin. Bureau of Plant Industry, Soils, and Agricultural Engineering. 23 p., illus. (C 798.) Price 10¢.

Moldy rot is a destructive disease of the tapping panels of hevea rubber trees. The results of studies and experiments in its control made in Mexico are summarized.

**Flexibility of operation in dairy manufacturing plants.** Joseph M. Cowden and Harry C. Trelogan. Production and Marketing Administration. 40 p., illus. (C 799.) Price 15¢.

This study consists of six sections, the first of which describes the degree and type of flexibility of all plants; the sections that follow deal with plants producing a specific dairy product.

**Construction and arrangement of milk plants.** C. J. Babcock. Bureau of Dairy Industry. 36 p., illus. Supersedes C 214 and C 228. (C 800.) Price 10¢.

This circular gives specific information on the construction and arrangement of modern milk plants, as an aid to those desiring to build new plants or to remodel old ones.

\*Compiled by Eleanor W. Clay, Office of Information.



**Mink raising.** Charles E. Kellogg, Charles F. Bassett, and Robert K. Enders. Bureau of Animal Industry. 42 p., illus. (C 801.) Price 15¢.

Principles of feeding and breeding minks, the equipment necessary and information on pelting skins is given.

#### MISCELLANEOUS PUBLICATIONS

**Quality of woven clothing fabrics purchased 1944 to 1946.** Bureau of Human Nutrition and Home Economics in cooperation with the Pennsylvania State College, University of Tennessee, University of Minnesota, and Washington State College. 122 p. (M 660.) Price 40¢. For sale only.<sup>1</sup>

Little information has been collected from year to year on trends in the quality of textile merchandise offered on the retail market in the various regions of the country. In an effort to begin the accumulation of such data and especially to determine the effect of war on the quality of fabrics made for civilians this study was made.

**Agricultural geography of Europe and the Near East.** Lois B. Bacon, Reginald G. Hainsworth, Naum Jasny, Clarence M. Purves, Lazar Volin, and Clayton E. Whipple. Office of Foreign Agricultural Relations. 67 p., illus. (M 665.) Price \$1.00. For sale only.<sup>1</sup>

This pictorial atlas shows the geographic origin of the food supply and other important agricultural products in the European area. The best crop and livestock statistics available, as well as climatic data, have been compiled and presented geographically.

**Forests and national prosperity: A reappraisal of the forest situation in the United States.** Forest Service. 99 p., illus. (M 668.) Price 40¢. For sale only.<sup>1</sup>

This report brings together in concise form the over-all findings of a reappraisal of the forest situation in the United States. Its purpose is to bring up to date and amplify basic information on our timber resources, to interpret this information in relation to the national economy, and to reexamine national policies and needs in forest conservation.

#### SERVICE AND REGULATORY MATERIAL

**Nursery stock, plant, and seed quarantine No. 37.** Bureau of Entomology and Plant Quarantine. 15 p. (BEPQ-Q 37, rev.)

**Service and regulatory announcements.** Bureau of Animal Industry. January 1949. Pp. 1-10. (SRA-BAI 501.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

**Service and regulatory announcements, October-December 1947.** Bureau of Entomology and Plant Quarantine. Pp. 111-130. (SRA-BEPQ 170.)

#### TECHNICAL BULLETINS

**Effect of timber cutting on water available for stream flow from a lodgepole pine forest.** H. G. Wilm and E. G. Dunford. Forest Service. 43 p., illus. (T 968.) Price 15¢.

The purpose of this bulletin is to discuss, in some detail, answers to these questions, at least for an important part of the central Rocky Mountain region: Where does the water come from? Is there enough water? Finally, are there any methods by which supplies of available water can be increased?

**Studies of the diapause in the pink bollworm in Puerto Rico.** L. Courtney Fife. Bureau of Entomology and Plant Quarantine. 26 p., illus. (T 977.) Price 10¢.

These studies suggest the possibility of a practical method for reducing pink bollworm damage.

#### OTHER PUBLICATIONS

**Annual report on tobacco statistics, 1948.** Production and Marketing Administration. 71 p. (CS 31.)

**Cotton quality statistics, United States, 1947-48.** Production and Marketing Administration. 61 p. (CS 33.)

**Farm ownership loans.** Farmers Home Administration. 8 p. (PA 62.)

**Fruits and nuts: Bearing acreage, 1919-1946.** Bureau of Agricultural Economics. 39 p. (CS 32.)

**Report of the Administrator of the Production and Marketing Administration, 1948.** Ralph S. Trigg. 83 p. Price 20¢. For sale only.<sup>1</sup>

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**Report of the Librarian, 1948.** Ralph R. Shaw. 9 p. Price 5¢. For sale only.<sup>1</sup>

**Report of the Secretary of Agriculture, 1948.** Charles F. Brannan. 170 p. Price 50¢. For sale only.<sup>1</sup>

**White pine blister rust.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 22.) Price 5¢.

#### PERIODICALS

**The agricultural situation.** Vol. 33, No. 2. February 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 2. February 1949. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Extension service review.** Vol. 20, No. 2. February 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XIII, No. 2. February 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**Journal of agricultural research.** Price 10¢ a copy, \$2.25 a year, domestic; 15¢ a copy, \$3.00 a year, foreign.<sup>1</sup> Not distributed free to individuals.

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——— Vol. 78, Nos. 3 and 4. February 1 and 15, 1949. Illus. Contents:

A cytogenetic study dealing with the transfer of genes from *Triticum timopheevi* to common wheat by backcrossing. (Wis.-170.) R. W. Allard.

Red stem canker of cowpea, caused by *Phytophthora cactorum* (G 1392.) J. L. Weimer.

The genetics of mosaic resistance in *Nicotiana glutinosa* (Ky. 23). W. D. Valleau.

**News for farmer cooperatives.** Vol. 15, No. 11. February 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Rural electrification news.** Vol. 14, Nos. 7 and 8. February-March 1949. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XIV, No. 7. February 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

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## MOTION PICTURES

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**ADVENTURES OF JUNIOR RAINDROP.** 16 mm., sound, color. Running time 8 minutes. Released 1949.

Animated cartoon of a raindrop's visit to earth. Shows the need for everyone to be informed on good watershed management practices. Raindrops, like children, become delinquent and lawless when their welfare is neglected. The animation is supplemented with "live" action scenes showing contrasting results of poor and good watershed management. The message is carried in terms that any school-age group can understand. "Watershed" will be a new word added to the school child's vocabulary. The treatment of the subject, and the picture itself, will also be of interest to adult groups. Teachers Guide available. (Not in libraries; for loan from U. S. Forest Service regional offices only.)

**THE CROP THAT NEVER FAILS.** 16 mm., sound. Running time 8 minutes. Released 1946.

The crop that never fails is plenty of savings for hard times. The picture points to the bounteous harvests of recent years, but warns that good seasons are largely responsible. Floods and drought, dust, disease and grasshoppers, inflation and depression of not so long ago are starkly recalled. The lesson is driven home that regular purchase of U. S. Savings Bonds is excellent armor against future calamity. For adult farm groups at any time; especially good for reinforcing the forthcoming bond drive. Produced in cooperation with the U. S. Treasury Department. (Available from all Film Libraries—see November issue.)

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# United States Department of Agriculture

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MARCH 1949

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### BULLETIN OF THE MONTH

#### "Controlling the Japanese Beetle"

Farmers' Bulletin 2004

This bulletin gives directions for the control of the Japanese beetle by spraying with DDT. It also gives other control methods and summarizes information on the distribution, seasonal history, and natural factors that influence the abundance of the Japanese beetle.

### FARMERS' BULLETINS

**Controlling the Japanese beetle.** Bureau of Entomology and Plant Quarantine. Supersedes F 1856. 14 p., illus. (F 2004.) Price 15¢. See above.

### CIRCULARS

**Parasites and parasitic diseases of horses.** Benjamin Schwartz, Marion Imes, and A. O. Foster. Bureau of Animal Industry. 56 p., illus. (C 148, rev.) Price 20¢.

Symptoms and control measures of internal and external parasites of horses are described in this revision.

**Birdsfoot trefoil and big trefoil.** Roland McKee and H. A. Schoth. Bureau of Plant Industry, Soils, and Agricultural Engineering. 14 p., illus. (C 625, rev.) Price 5¢.

This is a revision of a bulletin on the culture, value, and use of this plant for forage and pasturage.

**Collecting wild potatoes in Mexico.** Donovan S. Correll. Bureau of Plant Industry, Soils, and Agricultural Engineering. 40 p., illus. (C 797.) Price 15¢.

This bulletin is a report of an expedition to Mexico to obtain specimens of wild Mexican potatoes which will be used in breeding work in order to obtain strains resistant to disease, drought, frost, and other climatic factors.

**Animal fibers used in brushes.** Thora M. Plitt Hardy and John I. Hardy. Bureau of Animal Industry. 15 p., illus. (C 802.) Price 10¢.

Types of commercial soft-brush and paint-brush fibers as well as their characteristics are given. Information is included on the conservation of paint brushes.

\* Compiled by Eleanor W. Clay, Office of Information.



## MISCELLANEOUS PUBLICATIONS

**Market diseases of fruits and vegetables: Potatoes.** Glen B. Ramsey, James S. Wiant, and Marion A. Smith. Bureau of Plant Industry, Soils, and Agricultural Engineering. 60 p., illus. (M 98, rev.) Price 75¢. **For sale only.**<sup>1</sup>

This revised bulletin is designed to aid in the recognition and identification of potato diseases found in marketing channels, to aid in market inspection, and help prevent market losses.

**Planning the electric water system and plumbing for your farmstead.** Rural Electrification Administration. 15 p., illus. (M 674.) Price 15¢.

This booklet gives simple, important facts that will help in planning a water and plumbing system.

## SERVICE AND REGULATORY MATERIAL

**Index to service and regulatory announcements, January-December 1948.** Bureau of Animal Industry. 1 p.

**Service and regulatory announcements.** Bureau of Animal Industry. February 1949. Pp. 11-20. (SRA-BAI 502.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

**Service and regulatory announcements, January-March 1948.** Bureau of Entomology and Plant Quarantine. 19 p. (SRA-BEPQ 171.)

## SOIL SURVEYS

**Grainger County, Tennessee.** E. H. Hubbard, B. L. Matzek, and Clifton Jenkins. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Tennessee Agricultural Experiment Station and the Tennessee Valley Authority. Series 1940, No. 4. 203 p., illus. Price \$1.00. **For sale only.**<sup>1</sup>

## TECHNICAL BULLETINS

**Yield and composition of cottonseed as influenced by fertilization and other environmental factors.** W. H. Tharp, J. J. Skinner, J. H. Turner, Jr., R. P. Bledsoe, and H. B. Brown. Bureau of Plant Industry, Soils, and Agricultural Engineering in cooperation with the Georgia and Louisiana Agricultural Experiment Stations. 153 p., illus. (T 974.) Price 30¢.

This bulletin discusses in terms familiar to the cottonseed industry and research workers the results of studies on fertilizers and other influences on cottonseed.

**European corn borer location on the corn plant as related to insecticidal control.** C. H. Batchelder. Bureau of Entomology and Plant Quarantine. 20 p., illus. (T 976.) Price 10¢.

This is a report of a study in a field of sweet corn for the successful application of insecticides for the control of the European corn borer.

## OTHER PUBLICATIONS

**Annual report of the Farm Credit Administration, 1947-48.** 180 p., illus. Price 35¢. **For sale only.**<sup>1</sup>

**Report of the Administrator of Agricultural Research, 1948.** P. V. Cardon. 394 p. price 60¢. **For sale only.**<sup>1</sup>

**Rules and regulations relating to viruses, serums, toxins, and analogous products and to certain organisms and vectors.** Bureau of Animal Industry. 85 p.

**A step-saving kitchen.** (Folder on how to obtain this colored motion picture.) (PA 67.)

**Storage for school lunch food and supplies.** Bureau of Human Nutrition and Home Economics in cooperation with Production and Marketing Administration. 11 p., illus. (PA 63.)

**The technical literature of agricultural motor fuels including physical and chemical properties, engine performance, economics, patents, and books.** Richard Wiebe and Janina Nowakowska. Bureau of Agricultural and Industrial Chemistry. 259 p. (BB 10.) Price 45¢ **For sale only.**<sup>1</sup>

In answer to many inquiries on the utilization of motor fuels from agricultural sources this list of references to pertinent literature was undertaken.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



Title pages and table of contents, Technical Bulletins Nos. 926-950. Office of Information. 13 p. Price 5¢. For sale only.<sup>1</sup>

#### PERIODICALS

**The agricultural situation.** Vol. 33, No. 3. March 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 7, No. 12, December 1948; Vol. 8, No. 1, January 1949. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 3. March 1949. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Extension service review.** Vol. 20, No. 3. March 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XIII, No. 3. March 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**Journal of agricultural research.** Price 10¢ a copy, \$2.25 a year, domestic; 15¢ a copy, \$3.00 a year, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to noncommercial institutions.

Separate, 5¢ domestic; 8¢ foreign.<sup>1</sup> The prices of separates may vary slightly, depending on their size. A small supply of each separate is given to the originating bureau or station for its staff, cooperators, and for such other distribution as can be made.

—Vol. 78, Nos. 5 and 6. March 1 and 15, 1949. Illus., Contents:

**Morphology and variability of the cucurbit black rot fungus.** (Wis.-169.) W. F. Chiu and J. C. Walker.

**Relation of specific gravity to shrinkage and of these factors to growth in yellow poplar.** (W. Va. 17.) Harvey D. Erickson.

**Decay resistance of seven native oaks.** (G 1399.) Theodore C. Scheffer, George H. Englerth, and Catherine G. Duncan.

**Chemical removal of encrustants from dew-retted hemp fiber.** (G 1400.) Lyle E. Hessler.

**News for farmer cooperatives.** Vol. 15, No. 12. March 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XIV, No. 8. March 1949. Price 10¢ a copy, \$1.00 a year domestic; \$1.50 a year, foreign.<sup>1</sup>

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## MOTION PICTURES

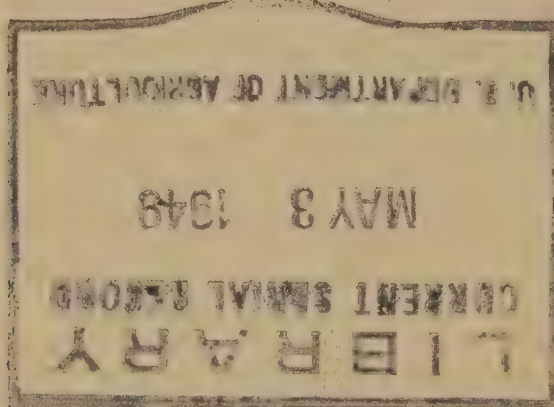
The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 76 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

**TIMBER AND TOTEM POLES.** 1 reel, 16 mm., sound, in color. Running time, 10 minutes. Released 1949.

Southeast Alaska, land of timber and totem poles, has much to offer Americans, today and for hundreds of years to come. Here vast acreages of sitka spruce, western hemlock, and graceful cedar await felling and hauling to the mills. Here, too, totem poles tell the legend of the land in ancient carvings. The fine art of totem carving was in danger of extinction until revised by the Civilian Conservation Corps under the auspices of the U. S. Forest Service. Native Alaskan Indians, in ceremonial garb, are shown restoring and copying their totem poles. (Not in Film Libraries; available from regional office of the Forest Service, and for sale.)

**TONGASS TIMBERLAND.** 2 reels, 16 mm., sound, in color. Running time, 18 minutes. Released 1948.

The Tongass National Forest, Uncle Sam's largest, lies in Southeast Alaska, 1,000 miles north of Seattle. For many years community development and prosperity have hinged mainly around the fishing industry. But there is a tremendous undeveloped natural resource on the Tongass—timber. Properly utilized, the Tongass timber could support several large pulp mills for all time and double southeastern Alaska's population of 30 thousand citizens. This would mean more than strengthening the local welfare, it would add to the security of our Nation. (Not in Film Libraries; available from regional offices of the Forest Service and for sale.)



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# UNITED STATES DEPARTMENT OF AGRICULTURE

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

APRIL 1949

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### BULLETIN OF THE MONTH

#### "Farm Poultry Raising" Farmers' Bulletin 1524

This revised bulletin gives the breeds and breeding, methods of feeding, housing, and marketing of poultry in order to obtain the best results.

### FARMERS' BULLETIN

**Farm poultry raising.** H. R. Bird and A. R. Lee. Bureau of Animal Industry. 29 p., illus. (F 1524, rev.) Price 10¢. *See above.*

**The dairy-herd-improvement association program.** J. F. Kendrick. Bureau of Dairy Industry. 24 p., illus. (F 1974, rev.) Price 10¢.

A typical dairy-herd-improvement association is a cooperative organization of dairy farmers, usually about 26, who employ a tester or supervisor to keep feed, production, income, and breeding records on their cows. This revised publication gives recommendations on how to organize and operate an association in your community.

### MISCELLANEOUS PUBLICATIONS

**List of available publications of the United States Department of Agriculture.** Eleanor W. Clay. Office of Information. 187 p. (M 60, rev.) Price 35¢.

This revised list gives the titles with issuance and revision date, classified by subjects, and procedures for ordering United States Department of Agriculture publications that are either available free from the Department or obtainable by purchase from the Government Printing Office.

**Guiding family spending.** Bureau of Human Nutrition and Home Economics. 26 p. (M 661.) Price 15¢. For sale only.<sup>1</sup>

The steps families follow in planning the best use of their funds are described. This publication will serve as a guide for social welfare workers and others who are helping families make spending plans.

**Motion pictures of the United States Department of Agriculture, 1949.** Office of Information. 53 p., illus. (M 673.) Price 15¢. For sale only.<sup>1</sup>

\* Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



This revised list includes procedures for ordering motion pictures and slide films produced by the Department, a classified list of titles arranged by subject with related slide films, and an alphabetical list of films with descriptions.

**Opportunities for career service in the United States Department of Agriculture.**

Office of Personnel. 52 p., illus. (M 675.) Price 25¢. For sale only.<sup>1</sup>

This publication describes specialized positions in the United States Department of Agriculture, conditions of employment, opportunities in a job, and brief statements about the work and accomplishments of the agencies of the Department.

**Easy-to-build kitchen cabinets for the remodeled farmhouse.** Bureau of Human

Nutrition and Home Economics. 23 p., illus. (M 680.) Price 15¢.

This bulletin gives suggestions for building kitchen cabinets suitable for new as well as remodeled kitchens. Working drawings are illustrated in reduced size and directions for ordering the plans are given.

**Potato preferences among restaurant and hotel buyers.** Bureau of Agricultural

Economics. 92 p. (M 682.) Price 25¢. For sale only.<sup>1</sup>

This survey, conducted in New Orleans and Cincinnati, gives the preferences among commercial users as to size, type, and uses of potatoes. Information obtained from this study may benefit producers, shippers, distributors, and consumers.

**SERVICE AND REGULATORY MATERIAL**

**List of intercepted plant pests, 1947.** Bureau of Entomology and Plant Quarantine. 69 p.

**TECHNICAL BULLETINS**

**Investigations in erosion control and the reclamation of eroded land at the Upper Mississippi Valley Conservation Experiment Station near La Crosse, Wis., 1933-43.** O. E. Hays, A. G. McCall, and F. G. Bell. Soil Conservation Service. 87 p., illus. (T 973.) Price 45¢. For sale only.<sup>1</sup>

This bulletin gives the methods farmers may use to increase crop production without abusing their land. It is a report of technical advances in conservation farming during 10 years showing not only methods used but also the basic factors involved.

**OTHER PUBLICATIONS**

**Feed statistics including wheat and rye.** Bureau of Agricultural Economics. 44 p. (CS 35.)

**Insect and other animal pests of cinchona and their control in Puerto Rico.** H. K. Plank and H. F. Winters. Federal Experiment Station in Puerto Rico. 16 p., illus. (PRB 46.) Price 10¢. For sale only.<sup>1</sup>

**Report of the Federal Experiment Station in Puerto Rico, 1948.** Office of Experiment Stations. 27 p. Price 10¢. For sale only.<sup>1</sup>

**Some ornamental vines for the tropics.** Edward P. Hume. Federal Experiment Station in Puerto Rico. 72 p., illus. (PRC 31.) Price 25¢. For sale only.<sup>1</sup>

**PERIODICALS**

**Agricultural economics research.** Vol. 1, No. 2. April 1949. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**The agricultural situation.** Vol. 33, No. 4. April 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 8, No. 2. February 1949. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 4. April 1949. Single copies vary in price. \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Extension service review.** Vol. 20, No. 4. April 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Fire control notes.** (Includes index April 1946-April 1949.) Vol. 10, No. 2, April 1949. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Foreign agriculture.** Vol. XIII, No. 4. April 1949. Price 15¢ a copy, \$1.50 a year; domestic; \$2.00 a year, foreign.<sup>1</sup>

**Journal of agricultural research.** Price 10¢ a copy, \$2.25 a year, domestic; 15¢ a copy, \$3.00 a year, foreign.<sup>1</sup> Not distributed free to individuals.

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year of 12 numbers each. Free distribution is limited to certain libraries and to uncommercial institutions.

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———— Index to Vol. 77, July 1–December 15, 1948. 4 p.

———— Vol. 78, No. 7. April 1, 1949. Illus. Contents:

The effect of air temperature on virus concentration and leaf morphology of mosaic-infected horseradish. (Wis. 171.) Glenn S. Pound.

Breeding low-nicotine tobacco. (Ky. 24.) W. D. Valleau.

Effect of heat on black rot and keeping quality of sweetpotatoes. (G 1401.) L. J. Kushman and J. S. Cooley.

A further toxicological comparison of derris and *Lonchocarpus*. (P. R. 11.) Merriam A. Jones, Caleb Pagán, Edward R. McGovran, Wilber A. Gersdorff, and Price G. Piquett.

Comparison of chemical values with the toxicological rotenone equivalent of derris and *lonchocarpus* roots. (P. R. 12.) Caleb Pagán and Arnaud J. Loustalot.

———— Vol. 78, No. 8. April 15, 1949. Illus. Contents:

Tristeza disease of citrus. (G 1402.) C. W. Bennett and A. S. Costa.

Inheritance of a gene for near-wilt resistance in the garden pea. (Wis. 173.) W. W. Hare, J. C. Walker, and E. J. Delwiche.

Some aspects of the longitudinal growth of bromegrass fruits. (Mich. 57.) Irving William Knobloch.

The effect of sunlight on the ascorbic acid content of strawberries. (N. Y. (Geneva) 62.) Willard B. Robinson.

**News for farmer cooperatives.** Vol. 15, No. 13. April 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Rural electrification news.** Vol. 14, Nos. 9 and 10. April–May 1949. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XIV, No. 9. April 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

## MOTION PICTURES

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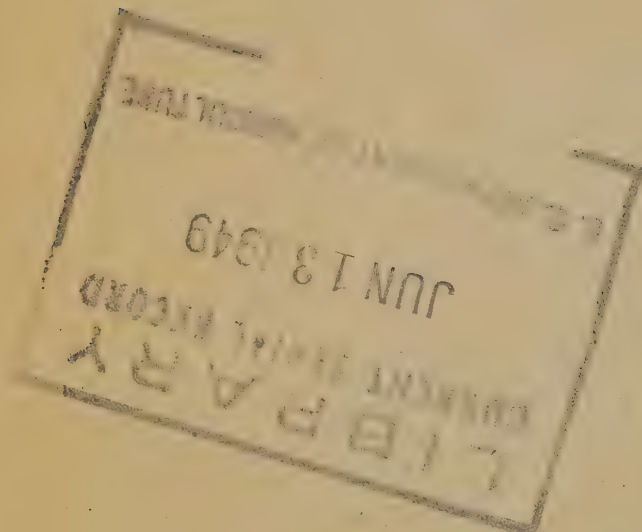


**FREEZING FRUITS AND VEGETABLES.** 2 reels, 16 mm., color, sound.  
Running time, 20 minutes. Released 1946.

Freezing is the newest development in a thousand years of food preservation progress. Freezer locker plants and home freezers are bringing to the average family foods that kings never before enjoyed. The film tells the story, step by step, showing how to prepare and package fruits and vegetables for freezing in a home freezer or in a commercial locker plant. It demonstrates special homemade equipment for filling and sealing packages and gives the answer to such questions as how long to scald vegetables; how to keep fruit from darkening; how to sweeten fruit; how to seal different types of containers. This film will help you to achieve an everyday miracle of bringing spring and summer goodness to the dining table the year round. (Available from all Film Libraries.)

**ONLY A BUNCH OF TOOLS.** 3 reels, 16 mm., color, sound. Running time, 26 minutes. Released 1949.

A training film, in dramatic story form, showing recruiting and training of volunteer crews in fighting forest fires in the eastern States. It illustrates the complete organization of forest fire fighting agencies in the States, from the State Forester to the local wardens and their crews. The story provides incentive for recruiting crew members and training them in the use of hand tools in fighting forest fires. (Available from U. S. Forest Service, Philadelphia, Pa.; State Foresters in the eastern States, and by purchase. No prints in libraries.)



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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

MAY 1949

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### BULLETIN OF THE MONTH

#### "The Inspection Stamp as a Guide to Wholesome Meat" Miscellaneous Circular 63

This revised circular describes briefly how the Federal meat-inspection service operates. It discusses the extent of Federal supervision over the meat supply and how producers, consumers, and the public may derive the greatest benefits from this service. It also points out opportunities for supplementing Federal inspection with State or municipal inspection.

### AGRICULTURAL INFORMATION SERIES

**Questions and answers about grazing on national forests.** Forest Service. 18 p. (IS 80.) Price 10¢.

This publication presents in question and answer form the important details regarding the administration of grazing use on the national forests.

### FARMERS' BULLETINS

**Dairy cattle breeds.** Amer B. Nystrom. Bureau of Dairy Industry. 32 p., illus. (F 1443, rev.) Price 10¢.

This revised bulletin discusses characteristics, the history of the origin, and development of dairy cattle breeds and factors to consider in selecting a breed.

**Home vegetable gardening in the central and high Plains and mountain valleys.** M. F. Babb and James E. Kraus. Bureau of Plant Industry, Soils, and Agricultural Engineering. 98 p., illus. (F 2000.) Price 25¢.

This bulletin gives cultural practices, crops, and vegetable-varieties suitable for the central and high Plains and mountain valleys of Colorado, Wyoming, and parts of South Dakota, Nebraska, and Kansas.

### CIRCULARS

**Stocking northern Great Plains sheep range for sustained high production.** E. J. Woolfolk. Forest Service. 39 p., illus. (C 804.) Price 15¢. For sale only.<sup>1</sup>

The northern Great Plains constitute one of the most important range areas in the United States for the production of wool, feeder lambs, and replacement of breeding ewes. This publication tells sheep ranchers how to stock their range to get the greatest possible production without deteriorating forage and soil.

**Experiments on the combined use of crystal-violet vaccine and anti-hog-cholera serum in the prevention of hog cholera.** C. G. Cole and R. R. Henley. Bureau of Animal Industry. 12 p. (C 807.) Price 5¢. For sale only.<sup>1</sup>

The results of experiments conducted at the Bureau of Animal Industry Field Station, Ames, Iowa, to determine the effectiveness of treating hogs with a combined treatment of crystal-violet vaccine and anti-hog-cholera serum for the prevention of hog cholera are reported.

\*Compiled by Eleanor W. Clay, Office of Information.

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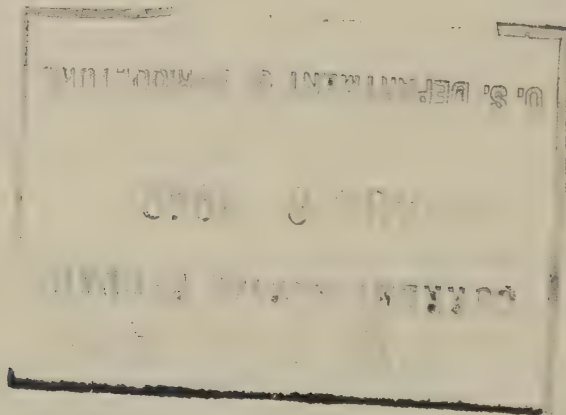


**IT'S NO PICNIC.** 3 reels, 16 mm., sound, color. Running time, 26 minutes.  
Released 1948.

A family group enjoys a Sunday afternoon in the woods. A beautiful spot is chosen for their picnic lunch, with campfire and hot dogs, the things children delight in. The campfire is carefully extinguished, but Dad, unwittingly, is careless with his pipe and the beautiful woods becomes a blackened waste. The "day of rest" becomes a day of toil and desolation. Dad is sentenced to a course in FIRE PREVENTION and is an apt and willing pupil. (Not in Film Libraries; available from regional offices of the Forest Service, Denver, Colo.; Philadelphia, Pa.; Atlanta, Ga.; and Milwaukee, Wis.; and for sale.)

**THE SOUTH GROWS GREEN.** 4 reels, 16 mm., sound, color. Running time, 40 minutes. Released 1948.

As the South grows green, crop diversification is replacing the old, destructive one-crop system. The result is more production of a variety of crops and products; dairy products, beef, lamb, mutton, wool, poultry and eggs; increased production of row crops such as tobacco, corn, and cotton from less acres. Soil-protecting and soil-building crops, lespedeza, and kudzu are shown to be playing a big part in this transformation. The story is presented in an interesting manner with beautiful photography and an original musical score. Recommended audience: Farmers, clubs, schools, and church groups in the South. (Not in Film Libraries; available from regional offices of the Soil Conservation Service, Spartanburg, S. C., and Ft. Worth, Texas, and for sale.)



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# United States Department of Agriculture

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JUNE 1949

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### BULLETIN OF THE MONTH

#### "Our Remaining Land: We Can Use It and Save It" Agricultural Information Series 79.

Good topsoil and water are the main things that make land productive. When the topsoil is gone, the productivity of the land is usually gone; then the people who depend on that land have poorer diets and a lower standard of living. Here are some facts and figures about the land that's left—how we can use it and still save it.

### AGRICULTURAL INFORMATION SERIES

**Our remaining land: We can use it and save it.** Soil Conservation Service. 12 p., illus. (IS 79.) Price 5¢. See above.

**Potatoes in hotels and restaurants.** Bureau of Agricultural Economics. 8 p., illus. (IS 81.) Price 5¢.

Growers and shippers want to know as much as possible about markets for potatoes. This is a popular report on the detailed findings of a survey taken in New Orleans and Cincinnati to show the likes and dislikes of those who buy potatoes for public eating places.

### FARMERS' BULLETINS

**The corn root aphid and methods of controlling it.** John J. Davis. Bureau of Entomology and Plant Quarantine. 7 p., illus. (F 891, rev.) Price 5¢. For sale only.<sup>1</sup>

The corn root aphid causes serious injury to growing corn each year. Methods for controlling this insect by crop rotation, early and deep spring plowing, and the use of fertilizer are described in this revised bulletin.

**Lettuce growing in greenhouses.** Ross C. Thompson. Bureau of Plant Industry, Soils, and Agricultural Engineering. 25 p., illus. (F 1418, rev.) Price 10¢.

This revised publication gives the requirements for the successful production of lettuce in greenhouses.

**Preventing damage to buildings by subterranean termites, and their control.** Bureau of Entomology and Plant Quarantine. 38 p., illus. (F 1911, rev.) Price 15¢.

This revised bulletin tells how to design and construct buildings to prevent termite damage. It also tells where to look for termites in existing buildings, how to recognize signs of their presence, and how to control them by both structural and chemical means.

### LEAFLETS

**The guinea pig.** Orson N. Eaton. Bureau of Animal Industry. 7 p., illus. Supersedes F 525. (L 252.) Price 5¢.

This leaflet describes the uses of guinea pigs as well as the care and management of them.

\*Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



## CIRCULARS

**Handling and shipping southern-grown tomato plants.** Erston V. Miller, W. D. Moore, H. A. Schomer, and E. K. Vaughan. Bureau of Plant Industry, Soils, and Agricultural Engineering. 26 p., illus. (C 805.) Price 10¢. For sale only.<sup>1</sup>

During the past 20 years the growing of vegetable plants in the South has developed into a relatively large industry. Information on growing, shipping, and handling tomato plants for shipment to the Northern States is given.

**Crossbred beef cattle for the northern Great Plains.** Bradford Knapp, Jr., A. L. Baker, and R. T. Clark. Bureau of Animal Industry. 15 p., illus. (C 810.) Price 5¢.

The results of experiments undertaken in Montana are reported to determine the value of crossbreeding for the production of beef cattle in the Great Plains area and the possibilities of maintaining hybrid vigor through continual crossing of the three principal beef cattle breeds, the Hereford, Shorthorn, and Aberdeen-Angus.

## SERVICE AND REGULATORY MATERIAL

**Service and regulatory announcements.** Bureau of Animal Industry. May 1949. Pp. 77-84. (SRA-BAI 505.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

**Service and regulatory announcements, April-June 1948.** Bureau of Entomology and Plant Quarantine. Pp. 21-71. (SRA-BEPQ 172.)

## TECHNICAL BULLETINS

**A comparison of the pine-oak rusts.** George G. Hedgcock and Paul V. Siggers. Bureau of Plant Industry, Soils, and Agricultural Engineering. 30 p. (T 978.) Price 10¢. For sale only.<sup>1</sup>

This bulletin describes a study made of pine-oak rust, a fungi which is becoming a serious obstacle to the successful growth of slash and loblolly pine in some localities.

**Influence of fertilizers on growth rates, fruiting habits, and fiber characters of cotton.** Dalton R. Hooton, Howard V. Jordan, Princeton M. Jenkins, and James E. Adams. Bureau of Plant Industry, Soils, and Agricultural Engineering. 31 p. (T 979.) Price 10¢. For sale only.<sup>1</sup>

This experiment conducted at the United States Cotton Field Station, Greenville, Texas, gives the effects of nitrogen, phosphoric acid, and potash on growth rates, fruiting habits, and certain fiber characters of Acala cotton.

## OTHER PUBLICATIONS

**Dairy and poultry market statistics, 1948.** Production and Marketing Administration. 96 p. (CS 36.)

**Know your national forests in California.** Charles E. Fox. Forest Service. 42 p., illus. Price 15¢. For sale only.<sup>1</sup>

**Timber crops for southern farmers.** Forest Service. 6 p., illus. (M 5294.)

## PERIODICALS

**The agricultural situation.** Vol. 33, No. 6. June 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 8, No. 4. April 1949. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Extension service review.** Vol. 20, No. 6, June 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.**

Index to Vol. XII, 1948.

Vol. XIII, No. 6. June 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**Journal of agricultural research.** Vol. 78, No. 11. June 1, 1949. Illus. Price 40¢. For sale only.<sup>1</sup> Contents:

The origin of breeds of chickens (Kans.-104.) D. C. Warren and Herman Smith.  
Effect of inoculating a soil with *Azotobacter* upon plant growth and nitrogen balance (Kans.-105.) P. L. Gainey.

The effect of sun, shade, and oven-drying on the toxicological and chemical values of derris root (P. R.-13.) Caleb Pagán, Richard H. Hageman, and Arnaud J. Loustalot.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



Effect of root diameter on chemical and biotoxic constituents of derris (P. R.-14.) C. Pagán and R. H. Hageman.

Criteria for testing vanilla in relation to killing and curing methods (P. R.-15.) Merriam A. Jones and Gilda C. Vicente.

Inactivation and vacuum infiltration of vanilla enzyme systems (P. R.-16.) Merriam A. Jones and Gilda C. Vicente.

Quality of cured vanilla in relation to some natural factors (P. R.-17.) Merriam A. Jones and Gilda C. Vicente.

Rate of development of California red scales resistant and nonresistant to hydrocyanic acid gas, as affected by temperature (K-348.) Francis Munger.

Growth of first generation crossbred dairy calves (I-30.) R. A. Hilder and M. H. Fohrman.

The effects of airplane DDT applications on citrus groves in Florida (Fla.-25.) J. T. Griffiths, Jr. and C. R. Stearns, Jr.

Palatability tests on potatoes grown in soil treated with the insecticides benzene hexachloride, chlordane, and chlorinated camphene (Conn. (Storrs)-9.) Mary L. Greenwood and Jean Marie Tice.

The digestibility and metabolizability by lambs of a standard ration of alfalfa and corn and one containing cotton seed hulls (Ky.-25.) R. M. Forbes and W. P. Garrigus.

Stability of carotenoids in ground dehydrated carrots (Calif.-142.) C. R. Stocking and T. E. Weier.

The influence of selected antioxidants on dehydrated carrots (Calif.-143.) T. E. Weier and C. R. Stocking.

Development of pigment in the fur fibers of agouti-colored rabbits (A-223.) Ethel H. Dolnick.

Complementary factors for dark-red plant color in upland cotton (G-1403.) Lennart Johnson.

News for farmer cooperatives. Vol. 16, No. 3. June 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

Rural electrification news. Vol. 14, Nos. 11 and 12. June-July 1949. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

Soil conservation. Vol. XIV, No. 11. June 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

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**ADVENTURES OF JUNIOR RAINDROP.** 16 mm., sound, color. Running time, 8 minutes. Released 1949.

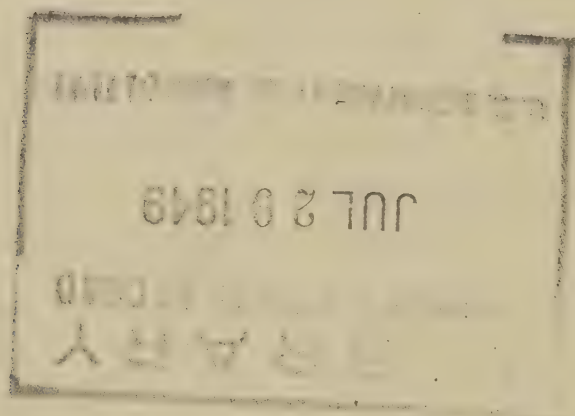
Animated cartoon on the results of good and bad watershed management—announced in February issue. (Now available from Film Libraries at Little Rock, Ark., Berkeley, Calif., Boulder, Colo., Columbia, Mo., Lincoln, Nebr., Reno, Nev., Santa Fe, N. M., Stillwater, Okla., Austin, Tex., Logan, Utah, and Pullman Wash.)

**CANNING THE VICTORY CROP.** 16 mm., sound, color. Running time, 22 minutes. Released 1943.

Shows by demonstration how fruits and vegetables are canned. Acid foods—designated by a series of closeups, are canned by the hot water bath method. Tomatoes and pears are used as demonstration subjects. For nonacid foods, such as string beans, the pressure canner is recommended. Various types of glass jars are discussed, and their use demonstrated. Instruction is given in the use of the petcock, gauge, and cover of the pressure canner. Filled jars, labeled and stored on shelves, make an enviable display for future use. (Available from all Film Libraries.)

**SAVING THE GARDEN CROP.** 16 mm. and 35 m., sound. Running time, 11 minutes. Released 1944.

The film opens with a family deep in the study of seed catalogs, preparatory to planting their garden. The picture passes quickly to the happy harvest time when they wonder what they will do with all the surplus vegetables. It is decided to store them. The film then demonstrates the best method of storing onions, beans, peas, apples, beets, carrots, salsify, squash, pumpkins, potatoes, sweetpotatoes, turnips, parsnips, and cabbage. (Available from all Film Libraries.)



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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

JULY 1949

**INSTRUCTIONS:** Not more than five publications will be sent free. Technical publications and those marked "Restricted" are furnished only to applicants whose activities justify such action. Foreign correspondents as well as persons not qualified for technical material should address requests, together with their remittances, to: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should also add one-third of the cost of publication to defray postage charges.

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### FARMERS' BULLETIN

**Goldenseal under cultivation.** A. F. Sievers. Bureau of Plant Industry, Soils, and Agricultural Engineering. 14 p., illus. (F 613, rev.) Price 5¢.

Residents of Eastern, North Central, and the North Pacific Coast States who are interested in this specialized crop will find this revised bulletin helpful.

### CIRCULARS

**Diagnosing bee diseases in the apiary.** C. E. Burnside, A. P. Sturtevant, and E. C. Holst. Bureau of Entomology and Plant Quarantine. 31 p., illus. (C 392, rev.) Price 10¢.

This revised circular tells where to look and what to notice in the examination of colonies for disease.

**Grazing spring-fall sheep ranges of southern Idaho.** Joseph F. Pechanec and George Stewart. Forest Service. 34 p., illus. (C 808.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

This publication gives the principles of good management of sheep on sagebrush-grass ranges. The recommendations are based on practical experience, observation, and experiments conducted through 20 years of study by the Forest Service in cooperation with the Bureau of Animal Industry at or near the United States Sheep Experiment Station, Dubois, Idaho.

### MISCELLANEOUS PUBLICATIONS

**Virginia forest resources and industries.** Ronald B. Craig. Forest Service. 64 p., illus. (M 681.) Price 50¢.

This report is one of a series of state reports resulting from a nation-wide forest survey. A four-point program for stabilizing the forest resources of Virginia is recommended in the report.

**Plastic sealing of tobacco-storage warehouses.** Quentin W. Roop. Production and Marketing Administration. 34 p., illus. (M 684.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

In the sealing of a tobacco-storage warehouse preparatory to fumigation this bulletin discusses the use of materials, equipment and labor; describes methods of application and safety procedures, and gives comparative costs.

### TECHNICAL BULLETINS

**Comparative studies of three soil fumigants for wire worm control.** William C. Cook. Bureau of Entomology and Plant Quarantine. 22 p., illus. (T 980.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

Laboratory and field experiments were conducted at Walla Walla, Wash., on the control of this insect by soil fumigation. This bulletin gives the results of these studies.

\*Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



## SERVICE AND REGULATORY MATERIAL

**Service and regulatory announcements.** Bureau of Animal Industry. June 1949. Pp. 85-94. (SRA-BAI 506.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

## OTHER PUBLICATIONS

**Agricultural statistics.** Yearbook Statistical Committee, Bureau of Agricultural Economics. 752 p. Price \$1.75. **FOR SALE ONLY.**<sup>1</sup>

**Insects of agricultural and household importance in Alaska with suggestions for their control.** Joseph C. Chamberlin. Alaska Agricultural Experiment Station in cooperation with the Office of Experiment Stations and the Bureau of Entomology and Plant Quarantine. 59 p., illus. (AAESC 9.) Price 20¢. **FOR SALE ONLY.**<sup>1</sup>

**Japanese beetle.** Bureau of Entomology and Plant Quarantine. 1 sheet. (PS 4, rev.) Price 5¢.

This revised sheet gives a colored illustration of the life cycle of the Japanese beetle. It also includes control methods for the grubs and the adult beetle.

**Trees.** (1949 Yearbook of Agriculture.) The Yearbook Committee. 944 p., illus. Price \$2.00. **FOR SALE ONLY.**<sup>1</sup>

## PERIODICALS

**Agricultural economics research.** Vol. I, No. 3. July 1949. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year foreign.<sup>1</sup>

**The agricultural situation.** Vol. 33, No. 7. July 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 8, No. 5. May 1949. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 6. June 1949; Vol. 13, No. 7. July 1949. Single copies vary in price, \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Crops and markets.** Vol. 26, 1949 edition. No subscription. Price 65¢. **FOR SALE ONLY.**<sup>1</sup>

**Extension service review.** Vol. 20, No. 7. July 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Fire control notes.** Vol. 10, No. 4. July 1949. Price 15¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XIII, No. 7. July 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**News for farmer cooperatives.** Vol. 16, No. 4. July 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Journal of agricultural research.**

**A SHORTAGE OF OPERATING FUNDS HAS FORCED THE DISCONTINUANCE OF THIS JOURNAL. THIS IS THE FINAL NUMBER.**

——— Vol. 78, No. 12. June 15, 1949. Illus. Price 55¢. **FOR SALE ONLY.**<sup>1</sup>  
Contents:

Forecasting late blight epiphytotics of potatoes and tomatoes (Va.-16.) Harold T. Cook.  
Investigation of rotenone and benzene hexachloride dusts for the control of insect ectoparasites on sheep (Wis.-174.) Robert J. Dicke, Arthur L. Pope, Robert W. Bray, and Flora Hanning.

Induced variability in *Phoma lingam* (Wis.-175.) O. H. Calvert, Glenn S. Pound, J. C. Walker, Mark A. Stahmann, and J. F. Stauffer.

Physiology and pathogenicity of the cucurbit black-rot fungus (Wis.-176.) W. F. Chiu and J. C. Walker.

Wisconsin pea stunt, a newly described disease (Wis.-177.) D. J. Hagedorn and J. C. Walker.

Procedures that reduce darkening of cooked potatoes (Wis.-178.) Ferne Bowman and Flora Hanning.

The occurrence of *Hypoderma* larvae in the spinal canal of cattle (Wis.-179.) Warren O. Haberman, Banner Bill Morgan, and Robert J. Dicke.

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**Toxicity studies of DDT-sabadilla mixtures with evidence of synergistic action (Wis.-180.)**  
J. T. Medler and H. E. Thompson.

**A virus disease of watermelon in Wisconsin incited by the tobacco ringspot virus (Wis.-181.)**  
Glenn S. Pound.

**Cytology of reproduction in *sorghum vulgare* (G-1404.)** Ernest Artschwager and Ruth C. McGuire.

**The Brazilian curly top of tomato and tobacco resembling North American and Argentine curly top of sugar beet (G-1407.)** C. W. Bennett and A. S. Costa.

**Some molds on wood favored by certain toxicants (G-1408.)** Arthur F. Verrall.

**False moths in cotton: Their origin, description, and variations in number (G-1409.)**  
Norma L. Pearson.

**Bacterial leaf blight and stalk rot of corn (G-1410.)** A. G. Johnson, Alice L. Robert, and Lillian Cash.

**Symptoms of amino acid action on tobacco seedlings in aseptic culture (G-1411.)** Robert A. Steinberg.

**Soil conservation. Vol. XIV, No. 12. July 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>**

## MOTION PICTURES

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**SMOKE JUMPERS.** 1 reel, 16 mm., sound, in color. Running time, 10 minutes.  
Released 1949.

This film shows how the U. S. Forest Service has developed its own air-borne squadron—Smokejumpers (parachute firefighters)—to combat forest fires in the remote, roadless areas of our great North Country and the Southwest. Smokejumping is a fast, efficient way of getting fire fighters where they are needed in such country. Every jump is a thrilling and hazardous operation. However, the best possible safety measures—(1) well-planned equipment, (2) gruelling ground training and (3) approved jump techniques protect these patriotic and daring young men. The film covers both the glamorous and unglamorous aspects of smokejumping, and carries a dramatic forest fire prevention message. This film will appeal to audiences of all classes and almost all ages. (Not in Film Libraries; available from regional offices of the Forest Service, and for sale.)

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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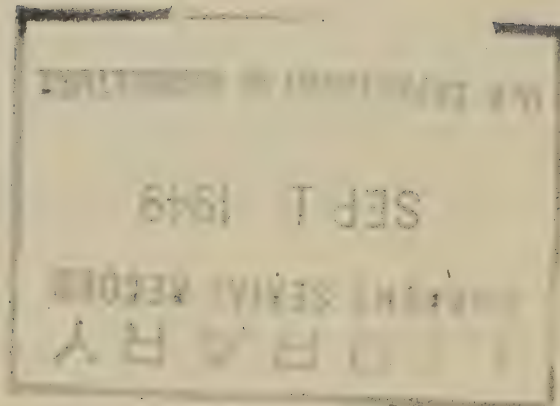
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## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

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### BULLETIN OF THE MONTH

#### Dresses Designed for Little Girls

#### Leaflet 255

The designs pictured in this leaflet show how simple styles, suitable materials, and good workmanship can be combined to make functional dresses that are also pretty.

### FARMERS' BULLETINS

**Pear growing in the Pacific Coast States.** C. F. Kinman and J. R. Magness. Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (F 1739, rev.) Price 15¢.

This revised bulletin in describing the methods of pear growing in the Pacific Coast States includes descriptions of soil-management practices and rootstocks for orchards, as well as general orchard care, insect and disease control, principal varieties and their most suitable districts.

### LEAFLETS

**Raising laboratory mice and rats.** Orson Eaton and Charles A. Cabell. Bureau of Animal Industry. 10 p., illus. (L 253.) Price 10¢.  
Title is self-explanatory.

**Dresses designed for little girls.** Clarice L. Scott. Bureau of Human Nutrition and Home Economics. 4 p., illus. (L 255.) Price 5¢. *See above.*

### CIRCULARS

**Methods of determining the oil content of tung fruits and factors affecting it.** Felix S. Lagasse, Harold M. Sell, Frederick A. Johnston, and George F. Potter. Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p. (C 806.) Price 10¢. **FOR SALE ONLY.<sup>1</sup>**  
Title is self-explanatory.

**Mosiaks of winter oats and their control in the southeastern States.** H. H. McKinney, T. R. Stanton, J. L. Seal, T. H. Rogers, W. R. Paden, G. K. Middleton, and U. R. Gore. Bureau of Plant Industry, Soils, and Agricultural Engineering. 17 p., illus. (C 809.) Price 10¢. **FOR SALE ONLY.<sup>1</sup>**  
The recurrence, distribution, and importance of this disease is presented in this bulletin.

\*Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Milk-production value of a concentrate mixture composed entirely of southern agricultural byproducts.** E. W. Faires, A. G. Van Horn, J. R. Dawson, and R. K. Waugh. Bureau of Dairy Industry. 10 p. (C 811.) Price 5¢. **FOR SALE ONLY.**<sup>1</sup>

This publication gives the results of dairy feeding experiments with southern-produced byproducts consisting of dehydrated sweetpotatoes, dried citrus pulp, peanut meal, and cottonseed meal.

**Feed required to produce 6-pound rabbits after weaning and conditions affecting their carcass grades and cuts.** Charles E. Kellogg, George S. Templeton, and Allan Suitor. Bureau of Animal Industry. 29 p., illus. (C 819.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

This publication shows the kind of feeds used in several types of rations fed to New Zealand rabbits from weaning time until they attain a weight of 6 pounds. It also deals with the quality of carcasses and the percentages of the various cuts of meat from these carcasses.

#### MISCELLANEOUS PUBLICATIONS

**Testing milk and cream.** Philip A. Wright. Bureau of Dairy Industry. 46 p., illus. (M 161, rev.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

This revised publication on methods of testing milk and cream is intended as a guide to dairy-plant operators, testers employed in milk plants and creameries, dairy extension workers, and others who may be interested.

**Treat seed grain.** A. G. Johnson, R. W. Leukel, and R. J. Haskell. Bureau of Plant Industry, Soils, and Agricultural Engineering and Extension Service. 12 p., illus. (M 219, rev.) Price 5¢.

This revised publication serves as a guide in treating seed grain for the control of most seed-borne diseases.

**Converting factors and tables of equivalents used in forestry.** E. N. Munns, Theresa G. Hoerner, and V. A. Clements. Forest Service. 48 p., illus. (M 225, rev.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

The purpose of this revised handbook is to provide members of the Forest Service with conversion factors and forest measurements that are more or less frequently encountered in forestry literature.

**Improving poultry through the National Poultry Improvement Plan.** Paul B. Zumbro, Melvin W. Buster, and J. D. Sykes. Bureau of Animal Industry. 18 p., illus. (M 317, rev.) Price 10¢.

In this revised publication an attempt has been made to describe the National Poultry Improvement Plan, its provisions and accomplishments in nontechnical language, and explain points in the plan that are of interest to the average poultryman.

**Some plain facts about the forests.** Forest Service. 22 p., illus. (M 543, rev.) Price 10¢.

Answers to questions about the present forest situation are given in this revised publication.

**Telling the co-op story: An educational handbook for rural electric co-ops.** Rural Electrification Administration. 71 p., illus. (M 685.) Price 35¢. **RESTRICTED DISTRIBUTION.**

This book was written to help rural electric cooperatives grow and prosper as service organizations in a modern rural America. It is not a source of co-op subject matter information but is intended as a working tool for the men and women who have the broad task of fully informing the member-owners of the Nation's rural co-op power systems.

**List of sires proved in Dairy-Herd-Improvement Associations, 1949.** Bureau of Dairy Industry. 311 p. (M 686.) Price 75¢. **FOR SALE ONLY.**<sup>1</sup>

In 1935 the Bureau of Dairy Industry and the State dairy extension services inaugurated the Nation-wide Dairy-Herd-Improvement Association proved-sire program. This publication is the thirteenth annual list of proved sires issued by the Department of Agriculture since the program was begun.

#### TECHNICAL BULLETINS

**Field studies of the alfalfa weevil and its environment.** J. C. Hamlin, F. V. Lieberman, R. W. Bunn, W. C. McDuffie, R. C. Newton, and L. J. Jones. Bureau of Entomology and Plant Quarantine. 84 p., illus. (T 975.) Price 20¢. **FOR SALE ONLY.**<sup>1</sup>

The object of this study was to gain an understanding of the adjustment of the alfalfa weevil to its environment in the western part of the United States.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Comparison of methods of supplying phosphorus to range cattle.** W. H. Black and L. H. Tash. Bureau of Animal Industry. 22 p., illus. (T 981.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

The experiment reported herein was designed to compare direct self-feeding methods with the indirect method of supplying phosphorus through fertilization of pastures in areas deficient in this element.

**Normalcy tests of precipitation and frequency studies of run-off on small watersheds.** W. D. Potter, Soil Conservation Service. 24 p., illus. (T 985.) Price 40¢. **FOR SALE ONLY.**<sup>1</sup>

It is believed that the material contained in this bulletin will be of value to all agricultural workers who need information on the effect rainfall has on erosion and water losses.

#### OTHER PUBLICATIONS

**Colorado potato beetle.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 3, rev.) Price 5¢.

**Boll weevil.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 15, rev.) Price 5¢.

**Bollworm.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 16, rev.) Price 5¢.

**Cotton aphid.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 17, rev.) Price 5¢.

**Cotton flea hopper.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 18, rev.) Price 5¢.

**Cotton leafworm.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 19, rev.) Price 5¢.

**Red spider.** Bureau of Entomology and Plant Quarantine. 1 sheet, illus. (PS 20, rev.) Price 5¢.

#### PERIODICALS

**The agricultural situation.** Vol. 33, No. 8. August 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 8, No. 6. June 1949. Price of single copy varies depending on size. \$2.50 a year; domestic; \$3.25 a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 8. August 1949. Single copies vary in price, \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

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**Extension service review.** Vol. 20, No. 8. August 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XIII, No. 8. August 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**News for farmer cooperatives.** Vol. 16, No. 5. August 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Rural electrification news.** Vol. 15, Nos. 1 and 2. August–September 1949. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XV, No. 1. August 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

## MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 72 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

**TRULY YOURS . . . THE DRESS THAT FITS.** 2 reels, 16 mm., sound, color. Running time, 18 minutes. Released 1949.

How to get ready-made dresses that really fit—without running up clothing bills—is shown in a new color motion picture produced by the Bureau of Human Nutrition and Home Economics and the Motion Picture Service. The film shows the fitting points to check when buying ready-made dresses, and alterations that may be done successfully at home by women who sew.

Different figure types are likely to need different kinds of alterations on the ready-mades brought home from the store. This film shows the most commonly needed alterations for the tall slender, the medium stout, and the short plump types of figures. Before alteration and after alteration pictures are shown for each figure type, along with the main steps in making the alterations on each dress. This film should be especially helpful to leaders or teachers of classes in clothing construction, selection, and buymanship. (Available from most film libraries.)

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

SEPTEMBER 1949

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### BULLETIN OF THE MONTH

#### "Turkey on the Table . . . the Year Round" Farmers' Bulletin 2011.

Instructions for cooking whole turkeys, halves and quarters of turkeys, turkey steaks, and other small parts are presented. Directions are also given for drawing and cleaning dressed turkeys, thawing frozen birds and parts, and buying guides for whole turkeys and turkey parts.

### AGRICULTURAL INFORMATION SERIES

#### 8 steps in grading soybeans. Extension Service. Folder, illus. (IS 84.)

This folder presents the 8 steps followed by grain inspectors in grading soybeans under revised standards, effective September 1, 1949.

### FARMERS' BULLETINS

#### Diseases and parasites of poultry. Walter J. Hall and E. E. Wehr. Bureau of Animal Industry. 97 p., illus. (F 1652, rev.) Price 25¢.

Prevention of poultry diseases and methods for controlling them once they become established are presented in this revised publication.

#### Grow disease-resistant oats. T. R. Stanton and F. A. Coffman. Bureau of Plant Industry, Soils, and Agricultural Engineering. 13 p., illus. (F 1941, rev.) Price 10¢.

This revised publication gives the cultural methods and harvesting of new varieties of oats resistant to Victoria blight and certain oat rusts and smuts.

#### Storage of small grains and shelled corn on the farm. C. K. Shedd and R. T. Cotton. Bureau of Plant Industry, Soils, and Agricultural Engineering and Bureau of Entomology and Plant Quarantine. 30 p., illus. (F 2009.) Price 10¢.

Properly designed, well built cribs and bins are needed to safeguard the quality of grain and to make it eligible for price-supporting loans and purchase agreements. Fundamental principles in storage construction, methods of conditioning damp grain, and protection of farm-stored grain from insects are discussed.

\*Compiled by Eleanor W. Clay, Office of Information.



**Storage of ear corn on the farm.** C. K. Shedd. Bureau of Plant Industry, Soils, and Agricultural Engineering. 27 p., illus. (F 2010.) Price 10¢.

Precautions in storing ear corn, types and construction of cribs, and recent findings on mechanical drying with heated and unheated air are given.

**Turkey on the table . . . the year round.** Mary T. Swickard, Rowena S. Carpenter, and Stanley J. Marsden. Bureau of Human Nutrition and Home Economics, Bureau of Animal Industry, and Production and Marketing Administration. 21 p., illus. (F 2011.) Price 10¢. See page 1.

#### LEAFLETS

**Using tall fescue in soil conservation.** R. Y. Bailey and L. B. Scott. Soil Conservation Service. 8 p., illus. (L 254.) Price 5¢.

This publication gives methods of planting and harvesting the seed of tall fescue, a promising grass for conservation farm planning in the South.

**Multiflora rose—For living fences and wildlife cover.** Wallace L. Anderson and Frank C. Edminster. Soil Conservation Service. 8 p., illus. (L 256.) Price 5¢.

Multiflora rose is an Asiatic plant that has been used in this country for a long time as an ornamental. It is used by rose growers as a hardy rootstock on which to bud other ornamental varieties of roses. Its new use for soil conservation and erosion control are given in this bulletin.

#### CIRCULARS

**Grasshopper egg-pod distribution in the northern Great Plains and its relation to egg-survey methods.** E. G. Davis and F. M. Wadley. Bureau of Entomology and Plant Quarantine. 16 p. (C 816.) Price 5¢. **FOR SALE ONLY.**<sup>1</sup>

Title is self-explanatory.

**Once-a-day versus twice-a-day feeding for dairy cows.** J. R. Dawson and David V. Kopland. Bureau of Dairy Industry. 7 p., illus. (C 830.) Price 5¢. **FOR SALE ONLY.**<sup>1</sup>

This report gives the results of an experiment, conducted by the Bureau of Dairy Industry at the Huntley, Mont., Field Experiment Station during the winter of 1947-48, to compare the effect of once-a-day feeding with twice-a-day feeding on hay consumption, total feed consumption, milk production, and labor requirements.

#### MISCELLANEOUS PUBLICATIONS

**Home freezers—Their selection and use.** Earl C. McCracken. Bureau of Human Nutrition and Home Economics. 16 p., illus. (M 687.) Price 10¢.

Questions families need to consider in their planning to select the frozen-food facilities that will suit them best, points of design and construction, and suggestions for using a freezer for the most satisfactory results are given.

#### SERVICE AND REGULATORY MATERIAL

**Index to service and regulatory announcements, 1947.** Bureau of Entomology and Plant Quarantine. 2 p.

**Regulations for the enforcement of the Federal Insecticide, Fungicide, and Rodenticide Act.** Production and Marketing Administration. 17 p. (SRA-PMA, 166, rev.)

**Service and regulatory announcements.** Bureau of Animal Industry. July 1949. Pp. 95-104. (SRA-BAI 507); August 1949. Pp. 105-118. (SRA-BAI 508.) Price 5¢ a copy, 25¢ a year, domestic; 45¢ a year, foreign.<sup>1</sup>

#### TECHNICAL BULLETINS

**Temperature and precipitation in relation to the number of generations of European corn borer in the United States.** K. D. Arbuthnot. Bureau of Entomology and Plant Quarantine. 22 p., illus. (T 987.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

The relation of climate to the number of generations of the European corn borer was studied to anticipate the insect's reaction to environments prevalent in the United States. The predictions presented should be of assistance in organizing research and control programs to combat the insect.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Effect of inbreeding on body size, anatomy, and producing capacity of grade Holstein cows.** W. W. Swett, C. A. Matthews, and M. H. Fohrman. Bureau of Dairy Industry. 34 p. (T 990.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

The study on which this report is based was undertaken in an attempt to measure the differences, in animal form and internal anatomy, between outbred dairy cows and cows representing various intensities of inbreeding.

#### OTHER PUBLICATIONS

**Know the eggs you buy.** Production and Marketing Administration. Folder, illus. (PA 70.)

**Livestock market news statistics and related data, 1948.** Production and Marketing Administration. [87] p. (CS 38.)

**The Plentiful Foods Program.** Production and Marketing Administration. 4 p. (PA 75.)

**Report on the Agricultural Experiment Stations, 1948.** Office of Experiment Stations. 157 p. Price 35¢. **FOR SALE ONLY.**<sup>1</sup>

**School lunch recipes for 25 and 50.** Bureau of Human Nutrition and Home Economics in cooperation with Production and Marketing Administration. 47 p. (PA 68.)

**Sweetpotato weevil.** Bureau of Entomology and Plant Quarantine. 1 sheet. (PS 25.) Price 5¢.

**White-fringed beetles.** Bureau of Entomology and Plant Quarantine. 1 sheet. (PS 24.) Price 5¢.

#### PERIODICALS

**The agricultural situation.** Vol. 33, No. 9. September 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 8, No. 7. July 1949. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Extension service review.** Vol. 20, No. 9. September 1949. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.** Vol. XIII, No. 9. September 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**News for farmer cooperatives.** Vol. 16, No. 6. September 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

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☐ M 687

☐ F 1941

☐ L 256

☐ F 2009

☐ F 2010

☐ F 2011

Others\_\_\_\_\_

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**Soil conservation.** Vol. XV, No. 2. September 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

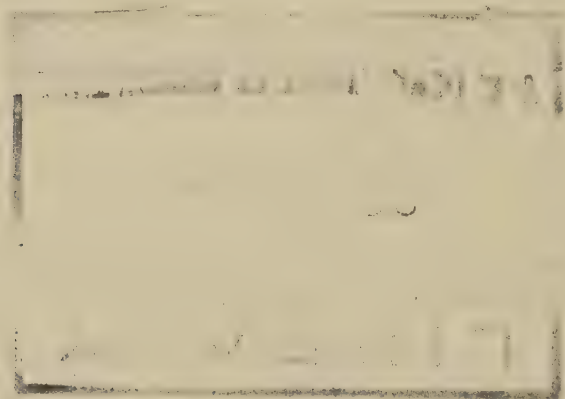
### MOTION PICTURES

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**OUTBREAK!** 3 reels, 16 mm., sound, color. Running time, 29 minutes. Released 1949.

The story of foot-and-mouth disease, the centuries' old plague affecting cloven-hoofed animals that has swept over the Old World time and again and caused havoc to the livestock industry of every country it touched, is described. The film documents foot-and-mouth disease from its earliest history to the outbreaks in the United States and Mexico. It shows what happened during the 1929 outbreak in California, and uses this occurrence to show how the disease was stopped in its tracks by the combined efforts of local, State, and Federal agencies, using every possible eradication method known. A Mexican sequence brings the data on the disease up-to-date, and tells what the Mexican and United States Governments are going cooperatively to combat it. (Available from most Film Libraries.)

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



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# United States Department of Agriculture

## MONTHLY LIST OF PUBLICATIONS AND MOTION PICTURES\*

OCTOBER 1949

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### BULLETIN OF THE MONTH

#### "Buying Men's Suits"

Miscellaneous Publication 688

Tells the man buying a suit what to observe, and aids extension workers, teachers, and other leaders in giving consumers the principles involved in buying for satisfaction.

### AGRICULTURAL INFORMATION SERIES

**Posture in housework.** Extension Service. 24 p., illus. (AIS 83.) Price 20¢.

Research findings on how to get housework done more efficiently are shown by illustrations.

### FARMERS' BULLETINS

**Soybeans: Culture and varieties.** W. J. Morse, J. L. Cartter, and L. F. Williams. Bureau of Plant Industry, Soils, and Agricultural Engineering. 38 p., illus. (F 1520, rev.) Price 15¢.

Cultural recommendations as well as insect and disease control methods are described in this revised bulletin.

**Adobe or sun-dried brick for farm buildings.** T. A. H. Miller. Bureau of Plant Industry, Soils, and Agricultural Engineering. 18 p., illus. (F 1720 rev.) Price 10¢.

This revised publication gives instructions for making adobe and building houses of such material.

**Mixing fertilizers on the farm.** Colin W. Whittaker. Bureau of Plant Industry, Soils, and Agricultural Engineering. 13 p., illus. (F 2007.) Price 5¢.

This bulletin explains the amounts and kinds of fertilizer materials to use in order to obtain the needed quantities of plant food, outlines precautions, and gives information to assist the home mixer.

### CIRCULARS

**Farm-mortgage loans and their distribution by lender groups, 1940-48.** Harold T. Lingard. Bureau of Agricultural Economics. 63 p., illus. (C 812.) Price 20¢. **FOR SALE ONLY.<sup>1</sup>**

Loans outstanding, trends in farm-mortgage debt, and sources of data are dealt with here.

\* Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Reducing grasshopper damage by regrassing weedy roadsides and fence rows.** E. G. Davis, Bureau of Entomology and Plant Quarantine. 11 p., illus. (C 813.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

Grassing of field margins, including roadsides, for the control of grasshoppers is discussed.

**New sources of resistance to stem rust and leaf rust in foreign varieties of common wheat.** E. S. McFadden. Bureau of Plant Industry, Soils, and Agricultural Engineering. 16 p. (C 814.) Price 5¢. **FOR SALE ONLY.**<sup>1</sup>

Need for additional factors for resistance, reactions to rust in foreign varieties, and use of new varieties as parental material are discussed.

**Use of the parasite *Trichogramma minutum* for controlling pecan insects.** Herbert Spencer, Luther Brown, and Arthur M. Phillips. Bureau of Entomology and Plant Quarantine. 17 p., illus. (C 818.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

This publication deals with control of the pecan nut casebearer, pecan leaf casebearer, and the hickory shuckworm by parasitism.

**Land use experience in southern Great Plains.** H. H. Finnell. Soil Conservation Service. 19 p., illus. (C 820.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

Land capability measures and classes, tillage hazards, effects of soil conservation, new lands and fate of abandoned lands are topics discussed.

**Storage of dry shelled corn in farm-type bins.** Lee E. Holman, H. J. Barre, R. T. Cotton, and H. H. Walkden. Bureau of Plant Industry, Soils, and Agricultural Engineering and Bureau of Entomology and Plant Quarantine. 36 p., illus. (C 826.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

Requirements, changes occurring in storage, temperature, and insects are problems discussed.

#### MISCELLANEOUS PUBLICATIONS

**Your farm lease.** Max M. Tharp. Bureau of Agricultural Economics. 8 p. (M 627 rev.) Price 10¢.

In this revised publication the requirements of a good lease and a sample standard form for writing a lease are given.

**Buying men's suits.** Clarice L. Scott. Bureau of Human Nutrition and Home Economics. [24] p., illus. (M 688.) Price 15¢. *See page 1.*

**Consumption of food in the United States, 1909-48.** Bureau of Agricultural Economics. 196 p., illus. (M 691.) Price 65¢. **FOR SALE ONLY.**<sup>1</sup>

Topics dealt with, in statistical form, are food supplies and distribution, sources of data, consumption per capita, and estimation of nutritive value.

**Timber stand improvement in the southern Appalachian region.** George M. Jemison and George H. Hepting. Forest Service and Bureau of Plant Industry, Soils, and Agricultural Engineering. 80 p., illus. (M 693.) Price 25¢. **FOR SALE ONLY.**<sup>1</sup>

The purpose of this publication is to set forth for the technician the best available information to guide him in timber stand improvement in this region.

#### TECHNICAL BULLETINS

**Some studies of the circulatory system of the cow's udder.** W. W. Swett and C. A. Matthews. Bureau of Dairy Industry. 36 p., illus. (T 982.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

Topics dealt with are relationships between mammary characteristics and milk-producing capacity.

**Decay resistance of black locust heartwood.** Theodore C. Scheffer and Henry Hopp. Bureau of Plant Industry, Soils, and Agricultural Engineering, and Soil Conservation Service. 37 p., illus. (T 984.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

Black locust is one of the most decay-resistant native woods. This study was made in order to obtain strains of superior types.

**Effect of freezing temperatures on different varieties of sugarcane and the millability of damaged sugarcane in Louisiana.** John I. Lauritzen, R. T. Balch, Lester G. Davidson, and George Arceneaux. Bureau of Plant Industry,

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

Soils, and Agricultural Engineering, and Bureau of Agricultural and Industrial Chemistry. 35 p., illus. (T 991.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

This study was carried on at the U. S. Sugar Plant Field Station and adjacent areas at Houma, La., in order to obtain the effect on sugar manufacture of chemical changes that occur in different varieties.

**The relationship of machine milking to the incidence and severity of mastitis.** Edward B. Meigs, Lloyd A. Burkey, George P. Sanders, Morrison Rogosa, and Henry T. Converse. Bureau of Dairy Industry. 51 p., illus. (T 992.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

This bulletin deals with the relationships of machine milking to symptoms and severity of mastitis.

**Biology of the raisin moth.** Heber C. Donohue, Perez Simmons, Dwight F. Barnes, George H. Kaloostian, Charles K. Fisher, and Carl Heinrich. Bureau of Entomology and Plant Quarantine. 23 p., illus. (T 994.) Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

The life history and habits, as well as parasites and predators, of this insect are described.

#### OTHER PUBLICATIONS

**The direct distribution of food.** Production and Marketing Administration. 4 p. (PA-77.)

**First things first: Know your land and have a plan before starting conservation farming.** Albert V. Foster, Soil Conservation Service. 8 p., illus. (PA-69.)

**Index to Agricultural Statistics 1947.** 22 p.

**National school lunch program.** Production and Marketing Administration. 4 p. (PA-19, rev.)

**Tomorrow's food.** Production and Marketing Administration. Folder, illus. (PA-72.)

**Wool statistics, including mohair and other animal fibers.** Bureau of Agricultural Economics. 66 p. (CS-37.)

#### PERIODICALS

**Agricultural economics research.** Quarterly. Volume I, No. 4. October 1949. Price 20¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**The agricultural situation.** Volume 33, No. 10. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

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☐ M 627

☐ F 1720

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☐ F 2007

Others \_\_\_\_\_

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**Agriculture decisions.** Vol. 8, No. 8. August 1949. Price of single copy varies, depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Extension service review.** October 1949. Volume 20, No. 10. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Fire control notes.** Quarterly. Volume 10, No. 4. October 1949. Price 15¢ a copy, 50¢ a year.<sup>1</sup>

**Foreign agriculture.** Volume XIII, No. 10. October 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**News for farmer cooperatives.** Volume 15, No. 7. October 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Rural electrification news.** Volume 15, Nos. 3 and 4. October–November 1949. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year foreign.<sup>1</sup>

**Soil conservation.** Volume XV, No. 3. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

### MOTION PICTURES

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**WATER FOR A NATION.** 2 reels, 16 mm. and 35 mm., sound. Black and White. Running time, 19 minutes. Released 1949.

Shows that the farmer depends upon water to raise his crops and livestock, and the nation, in turn, depends upon him to guard its precious water supply through soil and water conservation practices. Sequences show farmers and ranchers in different regions of the country farming the conservation way, guarding the nation's water, raising their crops, and doing better than ever before. (Not in film libraries; available for loan from regional offices of the Soil Conservation Service, and for sale.)

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### BULLETIN OF THE MONTH

#### "How to Use Whole and Nonfat Dry Milk" Agricultural Information Series 86

Dry milk products are excellent foods that can help families get enough milk for good health. Methods of using milk powder in recipes calling for fluid milk are given.

### AGRICULTURAL INFORMATION SERIES

**How to use whole and nonfat dry milk.** Mary T. Swickard. Bureau of Human Nutrition and Home Economics. 32 p. (IS 86.) Price 10¢. See above.

### FARMERS' BULLETINS

**Logging farm forest crops in the Northeast.** Fred C. Simmons. Forest Service. 57 p., illus. (F 2008.) Price 20¢.

Many farmers ask: "What's the best way for me to log my wood lot?" They want to know about the equipment and methods that will make the job easier and more profitable. The questions show a growing need for some easy-to-use information on the subject. This bulletin will tell you how you can harvest the timber crops from your wood lot with the equipment you already have or can acquire. It deals only incidentally with methods of forest management.

### AGRICULTURE INFORMATION BULLETINS

This new series is to contain subject matter of interest to people and groups throughout the American public, urban as well as rural. It will include most publications previously issued in the Miscellaneous Publication series and also some publications of the type formerly issued in the unnumbered series and reports to the public on special subjects.

**The balance sheet and current financial trends of agriculture, 1949.** Bureau of Agricultural Economics. 51 p., illus. (AB 1.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

This is the fifth of a series of annual reports which are designed to carry forward the comparative balance sheet of agriculture since 1940. Each balance sheet is as of January 1 of its year. This is not a balance sheet of farm operators, nor of people living on farms, nor of landlords. Rather it is a balance sheet of the industry viewed as one large enterprise.

\*Compiled by Eleanor W. Clay, Office of Information.

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



## CIRCULARS

**The farm real estate situation, 1947-48 and 1948-49.** W. H. Scofield and R. D. Davidson. Bureau of Agricultural Economics. 40 p., illus. (C 823.) Price 10¢.

This "Farm Real Estate Situation" report is the nineteenth in a series that extends back to 1926. Like previous issues, it is concerned with developments taking place during the farm real estate year which ordinarily covers the 12-month period ending about March 1. Although this report covers the 2-year period March 1947 to March 1949, the main emphasis is on the year ending on the latter date.

## MISCELLANEOUS PUBLICATIONS

**Preservation of agricultural specimens in plastics.** G. R. Fessenden. Bureau of Agricultural and Industrial Chemistry. 78 p., illus. (M 679.) Price 25¢.  
**FOR SALE ONLY.<sup>1</sup>**

Procedures on the preservation of natural color in plant specimens mounted in plastic plates and the embedment of biological specimens in plastic blocks are outlined. The subject matter contained in this publication is based mainly on the development work on specimen preservation carried out in the United States Department of Agriculture. Consideration has, however, also been given to the published results of other workers in the field.

**A graphic summary of world agriculture.** Reginald G. Hainsworth. Office of Foreign Agricultural Relations. 51 p., illus. (M 705.) Price 30¢. **FOR SALE ONLY.<sup>1</sup>**

This publication contains a series of maps and graphs showing the geographic distribution of agricultural production and trade, world population, and such physical factors as land forms, vegetation, soils, and annual rainfall.

## SERVICE AND REGULATORY MATERIAL

**Regulations of the Secretary of Agriculture under the United States Cotton Standards Act.** Production and Marketing Administration. 26 p. (SRA-PMA 153, rev.)

**Service and regulatory announcements.** Bureau of Animal Industry. September 1949. Pp. 119-127. (SRA-BAI 509.) Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Service and regulatory announcements.** Bureau of Entomology and Plant Quarantine. July-September 1948. Pp. 73-116. (SRA-BEPQ 173.); October-December 1948. Pp. 117-142. (SRA-BEPQ 174.)

## TECHNICAL BULLETIN

**Weights and capacities of udders from dairy heifers of different ages.** C. A. Matthews, W. W. Swett, and M. H. Fohrman. Bureau of Dairy Industry. 8 p., illus. (T 993.) Price 5¢. **FOR SALE ONLY.<sup>1</sup>**

The results of studies of the udders of dairy cows to determine the relationships between producing ability and the weight, capacity, and gross structure of the udder are summarized.

## OTHER PUBLICATIONS

**Agricultural outlook charts, 1950.** Bureau of Agricultural Economics. 99 p., illus. Price 50¢. **FOR SALE ONLY.<sup>1</sup>**

**Directory of the Bureau of Animal Industry.** Revised to July 1, 1949. Bureau of Animal Industry. 68 p. Price 20¢. **FOR SALE ONLY.<sup>1</sup>**

**Extension work with young men and women.** E. W. Aiton. Extension Service. 24 p., illus. (PA 73.)

**Production of manufactured dairy products, 1948.** Bureau of Agricultural Economics. 32 p. (CS 40.)

## PERIODICALS

**The agricultural situation.** Vol. 33, No. 11. November 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Agriculture decisions.** Vol. 8, No. 9. September 1949. Price of single copy varies depending on size. \$2.50 a year, domestic; \$3.25 a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 9, September 1949; Vol. 13, No. 10, October 1949. Single copies vary in price, \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

**Foreign agriculture.** Vol. XIII, No. 11. November 1949. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**News for farmer cooperatives.** Vol. 16, No. 8. November 1948. Price 10¢ a copy \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XV, No. 4. November 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

## MOTION PICTURES

The Motion Picture Service, Office of Information, U. S. Department of Agriculture, produces and distributes motion pictures on subjects with which the Department is concerned. They are both sound and silent and are released in 16-mm. and 35-mm. widths. Films in the 16-mm. size are available from State film libraries; 35-mm. films are available only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 72 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

**A TREE GROWS FOR CHRISTMAS.** 1 reel, 16 mm., sound, color. Running time, 11 minutes. Released 1949.

This film tells the story of the Christmas tree in history and legend and the Christmas tree industry of today. It also shows that cutting of trees for decoration is not a wasteful practice, on the contrary, when properly done it is a good forestry practice. The film shows how the trees are cut and marketed and the proper method of handling the tree after it is brought home. The picture ends with a short sequence on trimming the tree for Christmas Day. (Not in Film Libraries; available from regional offices of the Forest Service at Missoula, Mont.; Denver, Colo.; Albuquerque, N. Mex.; Ogden, Utah; San Francisco, Calif.; Portland, Oreg.; Philadelphia, Pa.; Atlanta, Ga.; Milwaukee, Wis., and for sale.)

**KILLING WEEDS WITH 2,4-D.** 2 reels, 16-mm., sound, color. Running time, 16 minutes. Released 1949.

This film is designed to give you facts you should know about 2,4-D to use it safely. It tells how wheat, rice, and corn among other crops may be weeded with this chemical. Proper mixtures and spraying techniques are explained. Many common weeds are shown before and after spraying. (Not in Film Libraries; available for sale only.)

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.

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## United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS AND  
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DECEMBER 1949

**INSTRUCTIONS:** Not more than five publications will be sent free. Technical publications and those marked "Restricted" are furnished only to applicants whose activities justify such action. Foreign correspondents as well as persons not qualified for technical material should address requests, together with their remittances, to: Superintendent of Documents, Government Printing Office, Washington 25, D. C. Foreign correspondents should also add one-third of the cost of publication to defray postage charges.

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If you have changed your address show your old address as well as the new one when you request that our records be changed.

## BULLETIN OF THE MONTH

## "How To Build A Farm Pond"

Leaflet 259

Properly planned and constructed farm ponds can be a valuable asset to any farm. They can supply water for fire protection, orchard and garden spray, fish production, recreation, and waterfowl and other wildlife. This leaflet explains how to build and maintain a good farm pond, formed by an earthen dam. The recommendations are for ponds that have small watersheds of less than 30 acres.

## FARMERS' BULLETINS

**Tobacco culture.** W. W. Garner. Bureau of Plant Industry. Soils, and Agricultural Engineering. 29 p., illus. (F 571, rev.) Price 10¢.

This revised publication gives varieties of tobacco seed, methods of growing seedlings, transplanting, fertilizing, cultivating, caring for, and harvesting the crop in each of the more important tobacco-growing regions.

**Fire safeguards for the farm.** Ralph R. Botts. Bureau of Agricultural Economics. 32 p., illus. (F 1643, rev.) Price 15¢.

How to lessen or avoid fire hazards on farms; how an individual farmer can reduce the probability of serious fire losses by using simple home equipment to put out a fire in its beginning stage; the need for organized and well-equipped rural fire departments and how this need has been met in many rural communities are some of the points brought out in this revised bulletin.

**Grading dressed turkeys.** Production and Marketing Administration. 32 p., illus. (F 1815, rev.) Price 10¢.

Producers, dealers and consumers should benefit by this revised bulletin which attempts to point out by description and illustrations the important factors involved in grading dressed turkeys.

**Rural library service.** Bureau of Agricultural Economics. [33] p., illus. (F. 1847, rev.) Price 15¢.

Believing that access to good reading materials is essential to rural progress, the Bureau of Agricultural Economics asked the American Library Association to cooperate in the preparation of this bulletin, which describes some of the rural library services now at work and suggests how rural communities and farm families who are without such services can help get them for their people. That Association also cooperated in making this revision.

## LEAFLETS

**How to build a farm pond.** Walter S. Atkinson. Soil Conservation Service. 8 p., illus. (L 259.) Price 5¢. See above.

\* Compiled by Eleanor W. Clay, Office of Information.



**Know your butter grades.** Production and Marketing Administration. Folder. (L 264.) Price 5¢.

Every carton of butter stamped with the shield-shaped emblem of the Federal butter grading service is packed with quality butter, tasted and tested by expert Government butter graders. Descriptions of the grade terms and what they represent to the purchaser are presented.

#### CIRCULARS

**Alfalfa weevil distribution and crop damage in the United States.** J. C. Hamlin, W. C. McDuffie, and F. V. Lieberman. Bureau of Entomology and Plant Quarantine. 21 p. (C 815.) Price 10¢.

This circular presents available information on the areas in which the alfalfa weevil has been found, a history of the injury, and an appraisal of the damage in the more important agricultural sections of the infested areas. The data presented will be of interest to those engaged in research affecting alfalfa hay and seed production, to State regulatory officials, and to agricultural extension workers.

**Farm mortgage interest charges and interest rates, 1940-48.** Sarah L. Yarnall. Bureau of Agricultural Economics. 30 p., illus. (C 821.) Price 10¢.

Trends in interest charges and interest rates of outstanding farm-mortgage debt are summarized.

**Experiments in rearing calves without whole milk and with limited amounts of skim milk.** Henry T. Converse. Bureau of Dairy Industry. 31 p., illus. (C 822.) Price 10¢.

The purpose of this publication is to report the results of experiments by the Bureau of Dairy Industry, in which calves have been reared satisfactorily without whole milk and with limited amounts of skim milk.

#### MISCELLANEOUS PUBLICATIONS

**Your farmhouse . . . heating.** Harry L. Garver. Bureau of Plant Industry, Soils, and Agricultural Engineering. 24 p., illus. (M 689.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

Types of heating systems as well as fuels and burners for more efficient economical heating of the farm home are given.

**Grain production and marketing.** G. A. Collier. Production and Marketing Administration. 78 p., illus. (M 692.) Price 25¢.

Production, harvesting, marketing, and utilization of the bread grains, wheat and rye, and the feed grains, corn, oats, barley, and grain sorghums are the factors described.

**Using credit to finance farmhouse improvements.** Lucile W. Reynolds. Bureau of Human Nutrition and Home Economics. 13 p., illus. (M 701.) Price 10¢.

This publication is written for extension agents, teachers, and others who work with farm families. It presents factual information concerning credit sources available to farm families for financing farmhouse improvements and lists some questions for families to consider in planning for credit. Some of the suggestions are equally important to the families that are paying cash for their housing improvements.

#### SERVICE AND REGULATORY MATERIAL

**Service and regulatory announcements.** Bureau of Animal Industry. October 1949. Pp. 129-138. (SRA-BAI 510.) Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

#### TECHNICAL BULLETINS

**Weight and capacity of the dairy cow udder in relation to producing ability, age, and stage of lactation.** C. A. Matthews, W. W. Swett, and M. H. Fohrman. Bureau of Dairy Industry. [34] p., illus. (T 989.) Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

The purpose of this publication is to report the results of studies conducted by the Bureau of Dairy Industry to determine the relationships between udder weight or capacity and producing ability as affected by age, stage of lactation or dry period, and breed.

#### OTHER PUBLICATIONS

**Deterioration of egg quality during marketing.** Production and Marketing Administration. 10 p., illus. (PA 79.)

<sup>1</sup> Payable to the Superintendent of Documents, Government Printing Office, Washington 25, D. C.



**Report of the Administrator of the Commodity Exchange Authority, 1949.** J. M. Mehl. 22 p. Price 10¢. **FOR SALE ONLY.**<sup>1</sup>

**Report of the Chief of the Office of Plant and Operations, 1949.** Arthur B. Thatcher. 15 p. Price 5¢. **FOR SALE ONLY.**<sup>1</sup>

**Report of the Chief of the Soil Conservation Service, 1949.** H. H. Bennett. 84 p. Price 20¢. **FOR SALE ONLY.**<sup>1</sup>

**Report of the Solicitor to the Secretary of Agriculture, 1949.** W. Carroll Hunter. 36 p. Price 15¢. **FOR SALE ONLY.**<sup>1</sup>

**Use the land and save the soil.** R. H. Musser. Soil Conservation Service. 16 p., illus. (PA 71.)

#### PERIODICALS

**The agricultural situation.** Vol. 33, No. 12. December 1949. Price 5¢ a copy, 50¢ a year, domestic; 70¢ a year, foreign.<sup>1</sup>

**Bibliography of agriculture.** Vol. 13, No. 11. November 1949. Single copies vary in price, \$6.00 a year, domestic; \$8.00 a year, foreign.<sup>1</sup>

**Extension service review.** December 1949. Vol. 20, No. 12. Price 10¢ a copy, 75¢ a year, domestic; \$1.15 a year, foreign.<sup>1</sup>

**Foreign agriculture.** December 1949. Vol. XIII, No. 12. Price 15¢ a copy, \$1.50 a year, domestic; \$2.00 a year, foreign.<sup>1</sup>

**News for farmer cooperatives.** December 1949. Vol. 16, No. 9. Price 10¢ a copy, \$1.00 a year, domestic; \$1.40 a year, foreign.<sup>1</sup>

**Rural electrification news.** December 1949–January 1950. Vol. 15, Nos. 5 and 6. Price 15¢ a copy, 75¢ a year, domestic; \$1.00 a year, foreign.<sup>1</sup>

**Soil conservation.** Vol. XV, No. 5. December 1949. Price 10¢ a copy, \$1.00 a year, domestic; \$1.50 a year, foreign.<sup>1</sup>

#### MOTION PICTURES

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only from Motion Picture Service. They are lent to responsible agencies and persons or may be purchased outright. Prints of Department films may be obtained from 72 cooperating film libraries in the 48 States, and the Territories of Alaska, Hawaii, and Puerto Rico.

**SNOW HARVEST.** 3 reels, 16 mm., sound, color. Running time, 25 minutes. Released 1946.

A beautiful motion picture which describes dramatically the important and hazardous activity of making snow surveys in the high mountains of the West. It is rich in winter scenery "rarely looked upon by man," yet shows the techniques of measuring snow to forecast irrigation and other water supplies in enough detail to satisfy even scientific viewers. A film that practically all audiences will enjoy. (Not in most film libraries; available for loan from regional offices of the Soil Conservation Service at Upper Darby, Pa.; Spartanburg, S. C.; Milwaukee, Wis.; Ft. Worth, Tex.; Lincoln, Nebr.; Albuquerque, N. Mex.; and Portland, Oreg.; and for sale.)

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